

Title (en)
FILTER ELEMENT

Title (de)
FILTERELEMENT

Title (fr)
ÉLÉMENT FILTRANT

Publication
EP 2616157 A1 20130724 (DE)

Application
EP 11757774 A 20110906

Priority
• DE 102010045500 A 20100915
• EP 2011004487 W 20110906

Abstract (en)
[origin: WO2012034664A1] A filter element (1) having at least one inner (12) and an outer casing body (11), of which at least one casing body (12) has a cross section deviating from circularity and which have contact surfaces (20, 21) facing one another for the contact of essentially all filter folds (18a-18f, 18l-18lll) of a pleated filter web (10), the filter folds (18a-18f, 18l-18lll), in terms of fold height (h), being divided into individual groups (I, II) each having several filter folds (18l, 18ll) of a common fold height (hmax, hmin) alongside one another in sections, is characterized in that between two adjacent filter folds (18a-18f, 18l-18lll) of different groups (I, II) are arranged filter folds (18b-18e; 18m) of at least one further third group (III), the filter folds (18b-18e, 18m) assigned to the third group (III), in the manner of step formation, have a common fold height (ho) which is different from the respective fold height (hmax, hmin) of the filter folds (18l, 18ll) of the two adjacent neighbouring groups (I, II), and/or, in the manner of curve formation, have different fold heights, which establishes a transition between the fold heights (hmax, hmin) of the two adjacent groups (I, II).

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